

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Jul/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	84.041	1334.456	1) Gujrat	0.889	-127.648
2) Hydro	7.387	95.556	2) Madhya Pradesh	18.335	176.527
3) Gas	7.739	111.268	3) Chattisgarh	7.450	108.770
Total MSPGCL	99.167	1541.280	4) Maharashtra Net	71.461	896.633
B) 1) APMIL	42.070	787.523	5) Goa (Amona)	-0.732	-11.701
2) JSWEL	20.977	311.459	6) TAPS 1&2 Injection	3.634	55.974
3) VIPL	5.830	155.278	7) RGPPL Injection	10.936	182.194
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.066	3.333
5) WPCL	4.457	50.968	9) Pench (Excess)	-0.066	-3.333
6) Other IPP	2.053	38.963	Total	111.907	1277.416
C) 1) TPCL Thermal	14.423	232.085	a) Mumbai Schedule	21.147	320.601
2) TPCL Hydro	3.303	52.547	b) Mumbai Drawl	25.120	389.306
3) TPCL Gas	3.611	61.036	c) MSEDCL Bilateral *	31.814	378.643
4) R-INFRA Thermal	10.312	165.123	Include PX	-1.788	-141.710
D) STATE			d) Mumbai Bilateral *	21.147	320.601
1) Thermal	184.163	3079.512	Include PX	4.162	16.783
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.690	148.103	H) ENERGY CATERED (MUs)		
3) Gas	11.350	172.304	1) MSEDCL	290.295	4455.500
4) Wind	27.970	666.832	2) Mumbai Discoms	56.769	900.096
6) SOLAR	0.984	11.430	TOTAL STATE	347.064	5355.596
TOTAL STATE	235.157	4078.181			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3767	3599	3462	3377
MSPGCL Hydro	203	314	625	133
MSPGCL Gas	420	272	345	283
MSPGCL Total Generation	4390	4185	4432	3793
Central Sector Receipt	5682	4732	5291	3750
WIND	1128	1459	723	1332
CPP / IPP	3151	3112	3405	2759
SOLAR	76	103	0	0
Exchange with Mumbai	-1146	-1465	-1070	-685
MSEDCL DEMAND MET	13281	12126	12781	10949
Load Shedding	0	0	0	0
MSEDCL DEMAND	13281	12126	12781	10949
TPCL GENERATION	729	1022	1046	652
R-INFRA GENERATION	402	402	508	403
MUMBAI DEMAND	2277	2889	2624	1740
STATE DEMAND MET	15558	15015	15405	12689
STATE DEMAND	15558	15015	15405	12689
Frequency (Hz)	50.04	49.97	50.01	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 07:59 Hrs	49.83 Hz at 18:13 Hrs	50	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 16/Jul/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.32	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.60	0	0
Unit 8	14.00	196.11	660	500
Total	14.00	197.02		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	30.01	0	0
Unit 4	0.00	9.10	0	0
Unit 5	0.00	9.00	0	0
Total	0.00	48.11		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	3.71	57.30	174	133
Unit 4	4.05	60.21	185	162
Unit 5	8.03	132.90	365	300
Unit 6	9.37	137.96	435	350
Unit 7	8.03	125.04	370	300
Unit 8	6.59	60.83	357	163
Total	39.78	574.23		
Paras				
Unit 3	5.38	78.85	250	190
Unit 4	5.28	76.40	244	180
Total	10.65	155.24		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	19.12	0	0
Unit 3	0.00	19.82	0	0
Unit 4	0.00	28.00	0	0
Unit 5	11.17	159.46	500	403
Total	11.17	226.40		
Nasik				
Unit 3	4.22	65.27	195	165
Unit 4	0.00	0.00	0	0
Unit 5	4.22	64.79	196	164
Total	8.44	130.06		
Uran				
All Units	7.74	111.27	420	271
Total	7.74	111.27		
PENCH (MS)				
Pench (MS)	0.07	3.33	13	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.07	3.33		
Koyna				
Stage 1-2	5.34	35.96	510	40
Stage 4	0.00	4.56	0	0
Stage 3	0.48	22.11	104	0
Total	5.81	62.64		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	3.75	0	0
TILLARI	0.18	6.36	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.43	6.36	40	0
RNGR+BHTSA	0.00	0.12	0	0
BHANDARDRA	0.55	5.54	23	23
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.41	10.79	125	0
Total	1.57	32.92		
Wind				
Total	27.97	666.83	0	0
Total	27.97	666.83		
CPP				
APML(Mus)	42.07	787.52	0	0
JSWEL(Mus)	20.98	311.46	0	0
VIPL(Mus)	5.83	155.28	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	4.46	50.97	0	0
Other(Mus)	2.05	38.96	0	0
Total	75.39	1347.85		
SOLAR				
Total	0.98	11.43	0	0
Total	0.98	11.43		
Tata				
Trombay 5	9.29	146.56	483	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.25	38.42	115	72
Trombay 7B	1.36	22.62	64	51
Trombay 8	5.13	85.53	248	199
TATA Hydro	3.30	52.55	346	6
Total	21.34	345.67		
R-INFRA				
1-2	10.31	165.12	511	401
Total	10.31	165.12		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	1.92	MSPGCL Thermal	84.04	1334.46	MSPGCL Total	99.17	1541.28
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	91.78	1445.72	Koyna 1,2 & 4 Total	5.34	40.53
Koradi 10	0.00	1.46	MSPGCL Hydro	7.39	95.56	State Total	235.16	4078.18
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 16/Jul/2016

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3363	168	282	3813	1325	3022	0	4247	4085	-995	11250	0	11250	2050	13300	49.94
2	3385	138	292	3815	1482	2668	0	3963	4106	-838	11233	0	11233	1890	13123	49.98
3	3278	123	282	3683	1375	2717	0	3507	4088	-755	11108	0	11108	1808	12916	50.00
4	3377	133	283	3793	1332	2759	0	3621	3750	-685	10949	0	10949	1740	12689	50.00
5	3426	128	284	3838	1287	2867	0	3809	4095	-678	11409	0	11409	1740	13149	50.06
6	3444	253	293	3990	1185	3138	0	4189	4879	-758	12434	0	12434	1832	14266	50.02
7	3676	757	348	4781	1183	3273	4	4425	3773	-704	12310	0	12310	1912	14222	50.02
8	3754	330	417	4501	1047	3332	33	4491	5023	-742	13194	0	13194	2013	15207	50.06
9	3767	203	420	4390	1128	3151	76	4826	5682	-1146	13281	0	13281	2277	15558	50.04
10	3488	133	331	3952	1470	3081	112	4918	4903	-1382	12136	0	12136	2566	14702	49.98
11	3515	328	273	4116	1454	3100	136	4697	5247	-1426	12627	0	12627	2872	15499	49.99
12	3613	263	274	4150	1428	3128	124	4678	5012	-1462	12380	0	12380	2893	15273	50.00
13	3599	314	272	4185	1459	3112	103	4539	4732	-1465	12126	0	12126	2889	15015	49.97
14	3478	218	271	3967	1396	3112	114	4429	4919	-1301	12207	0	12207	2724	14931	49.97
15	3582	448	275	4305	1282	3117	85	4347	4540	-1210	12119	0	12119	2737	14856	49.96
16	3583	218	323	4124	1208	3112	92	4452	4787	-1152	12171	0	12171	2707	14878	49.98
17	3458	353	353	4164	1110	3120	72	4199	4561	-1111	11916	0	11916	2675	14591	49.96
18	3436	458	345	4239	1010	3191	28	3871	4232	-1138	11562	0	11562	2624	14186	49.95
19	3477	527	355	4359	795	3387	5	4521	4666	-1166	12046	0	12046	2577	14623	50.00
20	3462	625	345	4432	723	3405	0	4785	5291	-1070	12781	0	12781	2624	15405	50.01
21	3399	708	352	4459	755	3416	0	4841	5194	-1078	12746	0	12746	2622	15368	50.01
22	3493	275	351	4119	757	3410	0	4775	4913	-1061	12138	0	12138	2461	14599	50.00
23	3520	223	359	4102	870	3378	0	4289	4737	-907	12180	0	12180	2278	14458	50.01
24	3468	63	359	3890	909	3395	0	4765	4692	-890	11996	0	11996	2258	14254	50.02
MUs	84.04	7.39	7.74	99.17	27.97	75.39	0.98	105.18	111.91	-25.12	290.30	0.00	290.30	56.77	347.06	50.00

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Jul/2016

Position as on 6.30 Hrs of 17/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Capital Overhaul.	
IPP	JSW (J) U3	300	21/06/2016	18.15		Continued.	Capital Overhaul	
MSPGCL	Khaparkhedda Unit 1	210	25/06/2016	23.45		Continued.	A.O.H.	
MSPGCL	Koyna Unit 8	80	29/06/2016	08.20		Continued.	Turbine Maintenance Work.	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	Zero Shedule By MSEDCL(Convert into A/O from 00 hrs.Dt.17-7-16)	
IPP	VIPL U-2	300	15/07/2016	00.16		Continued.	Genrator Inspection.	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-2	270	18/06/2016	06.54		Continued.	Zero Shedule By MSEDCL.	
RGPL	Dabhol 2B	230	20/06/2016	13.03		Continued.	Change Over.	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-4	270	30/06/2016	10.11		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	01/07/2016	02.23		Continued.	Zero Shedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Jul/2016

Position as on 6.30 Hrs of 17/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 7	210	01/07/2016	04.43		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 5	500	01/07/2016	23.59		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit 9	500	02/07/2016	07.26		Continued.	M.S.Temp.Low.	
MSPGCL	Khaparkheda Unit 2	210	05/07/2016	23.46		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 3	210	05/07/2016	23.52		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 4	210	08/07/2016	03.07		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 3	210	08/07/2016	23.57		Continued.	ID Fan Problem (Converted to Zero schedule by MSEDCL from 11-07-2016)	
IPP	Adani U-4	660	13/07/2016	02.22		Continued.	Zero Shedule By MSEDCL.	
IPP	Adani U-1	660	13/07/2016	02.29		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit B0	120	16/07/2016	09.21	16/07/2016	23.37	Relay Card Malfunction.	
MSPGCL	Chandrapur Unit 4	210	17/07/2016	06.50	17/07/2016	12.52	Turbine Trip.	
MSPGCL	Chandrapur Unit 7	500	17/07/2016	21.41		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 17/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Chandrapur Bhadravati III	InterState	10/07/2016	21.01		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	13/07/2016	21.44		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	15/07/2016	12.19	16/07/2016	10.03	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	16/07/2016	16.45		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/06/2016	13.12	16/07/2016	07.10	HT	Over Voltage
Ektuni-Bableshtar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
Bhusawal-Aurangabad	IntraState	02/07/2016	16.24		Continued.	HT	Over Voltage
Khadka- Deepnagar Ckt 1	IntraState	12/07/2016	13.11		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	13/07/2016	03.35		Continued.	T	Over Voltage
Kalwa - Talegaon(PG)	IntraState	14/07/2016	11.33	16/07/2016	18.56	PO	On TBC @ Kalwa End to Attend Hot Spot.
Lonikand I - Koyna stage-IV	IntraState	14/07/2016	23.20	16/07/2016	07.26	HT	Over Voltage
Girwali- Lonikand 2	IntraState	16/07/2016	10.06	16/07/2016	19.19	PO	Annual Maintenance Work
Kalwa - Talegaon(PG)	IntraState	16/07/2016	10.13	16/07/2016	18.56	PO	Attending Hot Spot
Karad - Jaigad - II	IntraState	16/07/2016	16.36		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	17/07/2016	00.02	17/07/2016	07.24	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	17/07/2016	23.14		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Bableshtar	IntraState	24/06/2016	19.25		Continued.	PO	shifted on TBC for main bus 1&2 outage
220 KV LINE Outages/Trippings							
Boisar(MS) - Boisar (PG) - I	InterState	15/07/2016	11.19		Continued.	PO	MK Box Replacement work.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Aurangabad (Waluj)-Bhenda	IntraState	22/06/2016	23.02		Continued.	HT	Hand Tripped.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Dahanu-Viraj	IntraState	13/07/2016	14.02		Continued.	HT	To control Kalwa-Borivali Line Load
Jejuri (400 Kv)-Jejuri- II	IntraState	14/07/2016	09.25		Continued.	PO	Maintenance Work.
Padghe - Wada	IntraState	15/07/2016	17.08		Continued.	T	Y Phase CT Burst load affected at Wada Line.
Magar Patta City- Serum	IntraState	16/07/2016	09.50	16/07/2016	18.49	PO	Annual Maintenance Work
Kalwa - Airoli Knowledge Park	IntraState	16/07/2016	16.51	16/07/2016	19.08	EO	Annual Maintenance Work
Kalwa Salsette III	IntraState	17/07/2016	08.16	17/07/2016	08.20	HT	Bus Changeover.
Kalwa - Mulund 1	IntraState	17/07/2016	08.53	17/07/2016	23.46	PO	Bay Strngthening.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/132 Kv 200 MVA ICT II @Kalmeshwar	IntraState	14/07/2016	10.51		Continued.	PO	Replacement of LV Side B Ph CT Replacement due to High Tan Delta Value.
220/110 Kv 200 Mva Vel Ptr 1 @Kolhapur-Ii (Mudshingi)	IntraState	15/07/2016	10.09		Continued.	PO	R & M Wrok.
220/100 Kv 200 MVA ICT II	IntraState	16/07/2016	10.00	16/07/2016	12.47	PO	Annual Maintenance Work

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 17/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
@Kolshet							
132 KV LINE Outages/Trippings							
Eklahara (Ocr)-Adgaon	IntraState	14/07/2016	08.42		Continued.	T	132 KV Bus Bar Operated.
Ranjangaon-Whirlpool	IntraState	17/07/2016	09.30		Continued.	PO	Taken On TBC For OWN CB Overhauling.
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 1 Line	IntraState	29/06/2016	11.28		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage